



API-OOC-MMS
SUSTAINED CASING PRESSURE
WORKSHOP
August 17th and 18th 2004
Houston, Tx.



API-OOC-MMS SCP Workshop-
August 17 & 18, 2004

Annular Casing Pressure is not a New Issue!

- Industry has a long history of addressing annular pressure on wells.
- Annular casing pressure is not always a chronic issue.
- Casing pressure may be an indication of problems.
- Identifying when annular pressure is a chronic problem is important.
- Utilizing a process can help to evaluate and address annular pressures.





API-OOC-MMS SCP Workshop-
August 17 & 18, 2004

Industry's Record of Addressing Annular Pressure has been Effective

- Small Population of failures of well systems.
- Industry has developed methods/tools to access problems.
- Effective intervention processes/tools developed to remediate Annular Pressure
- Timely intervention has occurred in most cases.
- Capability to address has steadily increased.



API-OOC-MMS SCP Workshop-
August 17 & 18, 2004

Policies and Philosophies for Addressing Annular Casing Pressure Varies a Great Deal

- Wide range of methods are available and used.
- Wide variety of hardware in a diverse producing basin.
- Diverse operating practices over a wide range of well types and production histories.
- No uniform operating practices established.
- Approaches and action varies widely between operators.





API-OOC-MMS SCP Workshop-
August 17 & 18, 2004

MMS Oversight and Responsibilities

- MMS sees wide variance in the operating practices.
- Practices vary from operator to operator and well system to well system.
- MMS has expressed concerns over issue.
- MMS had proposed prescriptive methods to address these problems
- MMS has halted formal rule making for industry to propose industry standard.



API-OOC-MMS SCP Workshop-
August 17 & 18, 2004

Industry is Best Suited to Address this Operating Concern

- Operators have a vested interest in managing the issue
- Industry is in a better position as "owner" of the systems.
- Risk evaluation by owner/ operators is a key element in process.
- Prescriptive regulations can do little to address specific problems.
- Performance based regulations allow flexibility for solution of complex problems.





**API-OOC-MMS SCP Workshop-
August 17 & 18, 2004**

Industry Developed Recommended Practice

- RP's/Spec's have been developed and used to address complex industry problems.
- RP's have been developed to address prevention of annular casing pressure.
- RP has been developed to specifically address managing casing pressure once it is identified.
- Input from a diverse base of operators/contractors can help draft effective guidelines.



**API-OOC-MMS SCP Workshop-
August 17 & 18, 2004**

Annular Casing Pressure Management RP

- Tool developed for use in evaluating potential casing pressure.
- Developed from input from operators, contractors, manufacturers and MMS.
- Provides Risk Based process to evaluate and address issues.
- Review/Discussion of proposed RP is method to gather input and feedback.
- Participate in the process, it is your opportunity to "have a say" in the development of the final tool.





**API-OOC-MMS SCP Workshop-
August 17 & 18, 2004**

Desired Outcome

- An effective tool is developed for managing annular casing pressure.
- MMS Adopts by reference the RP.

